Title (en)

WIRELESS ROUTER ASSISTED SECURITY HANDOFF (WRASH) IN A MULTI-HOP WIRELESS NETWORK

Title (de)

UNTERSTÜTZTES SICHERHEITS-HANDOFF MIT DRAHTLOSEM ROUTER (WRASH) IN EINEM DRAHTLOSEN MEHRSPRUNGNETZWERK

Title (fr)

TRANSFERT DE SECURITE ASSISTE PAR ROUTEUR HERTZIEN (WIRELESS ROUTER ASSISTED SECURITY HANDOFF / WRASH) DANS UN RESEAU HERTZIEN A SAUTS MULTIPLES

Publication

EP 1974553 A2 20081001 (EN)

Application

EP 06846635 A 20061215

Priority

• US 2006062138 W 20061215
• US 32372705 A 20051230

Abstract (en)

[origin: US2007153739A1] A wireless router assisted security handoff method (300) includes an efficient layer 2 security handoff for an infrastructure-based mobile multi-hop wireless network. The handoff is assisted with a wireless router (311) which is the first hop from the mobile station (301) to the new access point (307). The security context from the old access point (303) is first delivered to the mobile station (301) in a secure manner. The first handoff message (309) from mobile station (301) to the new access point (307) has three roles namely, re-association request, security context delivery and new session key generation handshaking. The first hop wireless router (311) vouches the freshness of the message contents and tunnels the message securely to the new access point (307). The second message (315) from the new access point (307) to the mobile station (301) completes the handoff process.

IPC 8 full level

H04W 4/00 (2009.01); H04W 12/00 (2009.01); H04W 12/08 (2009.01); H04W 36/00 (2009.01)

CPC (source: EP KR US)

H04L 9/065 (2013.01 - KR); H04W 12/03 (2021.01 - EP US); H04W 12/04 (2013.01 - EP US); H04W 12/08 (2013.01 - EP KR US); H04W 36/0038 (2013.01 - EP KR US); H04W 40/24 (2013.01 - KR); H04L 63/0428 (2013.01 - EP US); H04W 36/08 (2013.01 - EP KR US)

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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DOCDB simple family (application)

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